

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

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APPLICANT

Daniel J. Smith, et al.

FILING DATE

April 12, 1999

GROUP

1643



U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
LL	AA	5,686,075	11 Nov 1997	Taubman, et al	424	197.11	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LL	AR	U.S. Application No. 08/967,573 filed November 10, 1997, titled "Synthetic Peptide Vaccines for Dental Carries" by Daniel J. Smith and Martin A. Taubman						No copy
LL	AS	Chia, Jean-San, et al., "Inhibition of Glucosyltransferase Activities of <i>Streptococcus mutans</i> by a Monoclonal Antibody to a Subsequence Peptide", <i>Infection and Immunity</i> , 61(11):4689-4695 (1993)						
LL	AT	Dertzbaugh, Mark T. and Macrina, Francis L., "Inhibition of <i>Streptococcus mutans</i> Glucosyltransferase Activity by Antiserum to a Subsequence Peptide", <i>Infection and Immunity</i> , 58(6):1509-1513 (1990)						
LL	AU	Dertzbaugh, Mark T., et al., "Cholera Toxin B-Subunit Gene Fusion: Structural and Functional Analysis of the Chimeric Protein", <i>Infection and Immunity</i> , 58(1):70-79 (1990)						
LL	AV	Devulapalle, Kumari S., et al., "Knowledge-Based Model of a Glucosyltransferase from the Oral Bacterial Group of Mutans <i>Streptococci</i> ", <i>Protein Science</i> , 6:2489-2493 (1997)						
LL	AW	Ferretti, Joseph J., et al., "Nucleotide Sequence of a Glucosyltransferase Gene from <i>Streptococcus sobrinus</i> MFe328", <i>Journal of Bacteriology</i> , 169(9):4271-4278 (1987)						
LL	AX	Ferretti, Joseph J., et al., "Sequence Analysis of the Glucosyltransferase A Gene ( <i>gtfA</i> ) from <i>Streptococcus mutans</i> Ingbritt", <i>Infection and Immunity</i> , 56(6):1585-1588 (1988)						

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DATE CONSIDERED

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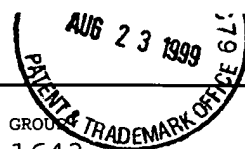
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LL	AY	Funane, Kazumi, et al., "An Active-Site Peptide Containing the Second Essential Carboxyl Group of Dextranase from <i>Leuconostoc mesenteroides</i> by Chemical Modifications", <i>Biochemistry</i> , 32:13696-13702 (1993)
LL	AZ	Jenkins, John, et al., "β-Glucosidase, β-galactosidase, Family A Cellulases, Family F Xylanases and Two Barley Glycanases Form a Superfamily of Enzymes with 8-fold β/α Architecture and with Two Conserved Glutamates Near the Carboxy-terminal Ends of β-strands Four and Seven", <i>FEBS Letters</i> , 362:281-285 (1995)
LL	AR2	MacGregor, E. Ann, et al., "A Circularly Permuted α-amylase-type α/β-barrel Structure in Glucan-synthesizing Glucosyltransferases", <i>FEBS Letters</i> , 378:263-266 (1996)
LL	AS2	Matsuura, Yoshiki, et al., "Structure and Possible Catalytic Residues of Taka-Amylase A", <i>J. Biochem.</i> 95:697-702 (1984)
LL	AT2	Mooser, G., et al., "Sequence of a Catalytically Significant Active Site Peptide from Two <i>S. sobrinus</i> Glucosyltransferases", <i>J. Dental Res.</i> , 69:325 (1990) Abstract 1729
LL	AU2	Mooser, Gregory, et al., "Isolation and Sequence of an Active-site Peptide Containing a Catalytic Aspartic Acid from Two <i>Streptococcus sobrinus</i> α-Glucosyltransferases", <i>The Journal of Biological Chemistry</i> , 266(14):8916-8922 (1991)
LL	AV2	Russell, R.R.B., et al., "Homology of Glucosyltransferase Gene and Protein Sequences from <i>Streptococcus sobrinus</i> and <i>Streptococcus mutans</i> ", <i>J. Dental Res.</i> , 67(3):543-547 (1988)
LL	AW2	Shimamura, Atsunari, et al., "Identification of Amino Acid Residues in <i>Streptococcus mutans</i> Glucosyltransferases Influencing the Structure of the Glucan Product", <i>Journal of Bacteriology</i> , 176(16):4845-4850 (1994)
LL	AX2	Smith, Daniel J., et al., "Peptides Associated with the β <sub>5</sub> Barrel Element of Glycosyltransferase (GTF) Induce GTF-Reactive and -Inhibitory Antibody", <i>J. Dental Res.</i> 78:422 (1999)
LL	AY2	Smith, D. J., et al., "Immunological Features of a Novel Histidine-Containing Peptide Associated with GTF Catalytic Activity", <i>J. Dent. Res.</i> , 77:734 (1998), Abstract 818
LL	AZ2	Smith, Daniel J., et al., "Immunological Characteristics of a Synthetic Peptide Associated with a Catalytic Domain of Mutans Streptococcal Glucosyltransferase", <i>Infect. Immun.</i> 62(12):5470-5476 (1994)
LL	AR3	Søgaard, Morten, et al., "Site-Directed Mutagenesis of Histidine 93, Aspartic Acid 180, Glutamic Acid 205, Histidine 290, and Aspartic Acid 291 at the Active Site and Tryptophan 279 at the Raw Starch Binding Site in Barley α-Amylase 1", <i>The Journal of Biological Chemistry</i> , 268(30):22480-22484 (1993)

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